

Title (en)
Battery holder for flat assembly modules.

Title (de)
Batteriehalter für Flachbaugruppen.

Title (fr)
Monture de batterie pour éléments modulaires plats.

Publication
EP 0191291 A1 19860820 (DE)

Application
EP 86100171 A 19860108

Priority
DE 8503703 U 19850211

Abstract (en)
1. Battery holder for flat assembly modules for a battery (1), having two contact elements (3 and 4) installed and soldered in a circuit board (2), characterised by the combination of the following features : a) the first contact element (3) is made essentially from a rectangularly formed piece of sheet metal having a bearing surface (3a) arranged parallel to the circuit board (2) and a contact surface (3b) arranged perpendicularly thereto, b) the contact surface (3b) has at least one contact point (3c) and, at each of the two outer sides, an integrally formed solder contact (3d) inserted through the circuit board (2), c) the bearing surface (3a) reaches as far as the vicinity of the second contact element (4), and has a further solder contact (3e), which is integrally formed on the outer edge, which faces the second contact element (4), d) the second contact element (4) is made from a multiply bent piece of sheet metal having two plane legs (4a), which are arranged perpendicularly to the circuit board (2) and are connected by a yoke (4b) integrally formed at a right angle thereto, and having a supporting surface (4c) integrally formed rectangularly at one leg (4a), e) there is integrally formed almost rectangularly at the yoke (4b) a tongue (4d) having a contact point (4e), which tongue is constructed as a leaf spring and moves resiliently between the two legs (4a), f) each leg (4a) has an integrally formed solder contact (4f), which is inserted through the circuit board (2), g) at least in the region of the circuit board (2), the supporting surface (4c) reaches as far as the vicinity of the first contact element (3), and has there an integrally formed solder contact (4g), which is inserted through the circuit board (2).

Abstract (de)
Batteriehalter für Flachbaugruppen mit zwei in einer Leiterplatte (2) eingesetzten und verlöteten Kontaktelementen (3 und 4). Das erste Kontaktelement (3) ist aus einer parallel zur Leiterplatte (2) angeformten Auflagefläche (3a) und einer senkrecht daran angeordneten Kontaktfläche (3b) gebildet, die zumindest einen Kontaktpunkt (3c) und an den beiden Außenseiten je einen angeformten, durch die Leiterplatte (2) gesteckten Lötkontakt (3d) aufweist. Die Auflagefläche (3a) reicht bis in die Nähe des zweiten Kontaktelements (4) und weist dort einen weiteren Lötkontakt (3e) auf. Das zweite Kontaktelement (4) weist zwei senkrecht zur Leiterplatte (2) angeordnete, flächige und mit Lötkontakten (4f) versehene Schenkel (4a), die mit einem im rechten Winkel dazu angeformten Joch (4b) verbunden sind, und eine rechtwinklig an einem Schenkel (4a) angeformte Stützfläche (4c) auf. Am Joch (4b) ist rechtwinklig ein federnder Lappen (4d) mit einem Kontaktpunkt (4e) zwischen den beiden Schenkeln (4a) angeformt. Die Stützfläche (4c) reicht im Bereich der Leiterplatte (2) in die Nähe des ersten Kontaktelements (3) und weist dort einen Lötkontakt (4g) auf.

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